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A clean copy of the amended claim is included below. A marked up copy of the entire set of claims is included in Appendix A.

Please amend the claims as follows.

28. (Amended Twice) A method of location management in a mobile telecommunication system comprising mobile stations, at least one core network providing telecommunication services, and a radio access network providing connections between the mobile stations and the core network, and in which system information concerning the location of the mobile station is stored in the radio access network, comprising

tracking in the radio access network of the location of the mobile station to the accuracy of a location area,

determining in the core network a reporting area comprising at least one location area,

informing the radio access network by the core network of the reporting area determined,

receiving at the radio access network a location update from the mobile station,

determining by the radio access network based on the location update whether or not the mobile station has moved out of the reporting area, and

sending by the radio access network to the core network a report if the mobile station has moved out of the reporting area.